

Title (en)

Re-armable separation screw with low induced shock

Title (de)

Schockarmer, wiederaufladbarer Trennbolzen

Title (fr)

Ecrou de séparation réarmable à faible niveau de choc induit

Publication

EP 1138957 B1 20021127 (FR)

Application

EP 01400778 A 20010327

Priority

FR 0003987 A 20000329

Abstract (en)

[origin: EP1138957A1] Separation component (1) of screw (8) holding two sub-assemblies together, is effected by a liberation sleeve (5) actuated by a pressurized gas source (3). To dampen the action at the end of its stroke, gas fills a chamber (19) below piston head (12) of liberation sleeve which is then sealed by movement of head and increase of pressure in sealed chamber acts as damper to prevent induced shock at end of its stroke.

IPC 1-7

F15B 15/19; **F15B 15/22**; **B64G 1/64**; **F42B 15/36**

IPC 8 full level

B64G 1/64 (2006.01); **F15B 15/19** (2006.01); **F15B 15/22** (2006.01); **F16B 37/10** (2006.01)

CPC (source: EP US)

B64G 1/641 (2013.01 - US); **B64G 1/6425** (2023.08 - EP); **B64G 1/645** (2013.01 - US); **B64G 1/6459** (2023.08 - EP); **F15B 15/19** (2013.01 - EP US); **F15B 15/222** (2013.01 - EP US); **B64G 1/6455** (2023.08 - EP)

Cited by

CN106742082A; CN104406454A; WO2007104420A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1138957 A1 20011004; **EP 1138957 B1 20021127**; AT E228617 T1 20021215; DE 60100052 D1 20030109; DE 60100052 T2 20030904; ES 2186663 T3 20030516; FR 2807123 A1 20011005; FR 2807123 B1 20020913; US 2001025564 A1 20011004; US 6629486 B2 20031007

DOCDB simple family (application)

EP 01400778 A 20010327; AT 01400778 T 20010327; DE 60100052 T 20010327; ES 01400778 T 20010327; FR 0003987 A 20000329; US 80171301 A 20010309